

FOR USE IN
VIBRATORY AND
BARREL FINISHING

DPM 5204-8

BIODEGRADABLE CHEMICAL GRINDING COMPOUND No. 2ADS

ALMCO®

DEBURRING AND FINISHING MATERIALS

A nearly neutral, low-foaming, powdered compound useful in grinding, deburring, and cleaning ferrous and nonferrous metals. Particularly effective on aluminum alloys. It saponifies and emulsifies oil, softens water, inhibits rust, promotes lightness of color, and enhances grinding action. It keeps parts and equipment clean, and prevents loading and glazing of abrasive media.

APPLICATIONS: Use in solutions of 2 to 4 ounces per gallon of water. Apply through constant-spray system on vibratory machines, using 2 pounds in each 55-gallon drum of water. It is completely soluble, and can be used with any type of abrasive media.

SPECIFICATIONS

pH of 1% solution 8.7 - 9.7

Total alkalinity (as % NaOH)..... 17.2 - 18.2

Total acidity (as % H₂SO₄) 0

Insoluble in water (%)..... 0.07

ORDERING DATA

50 lb. drums

300 lb. drums

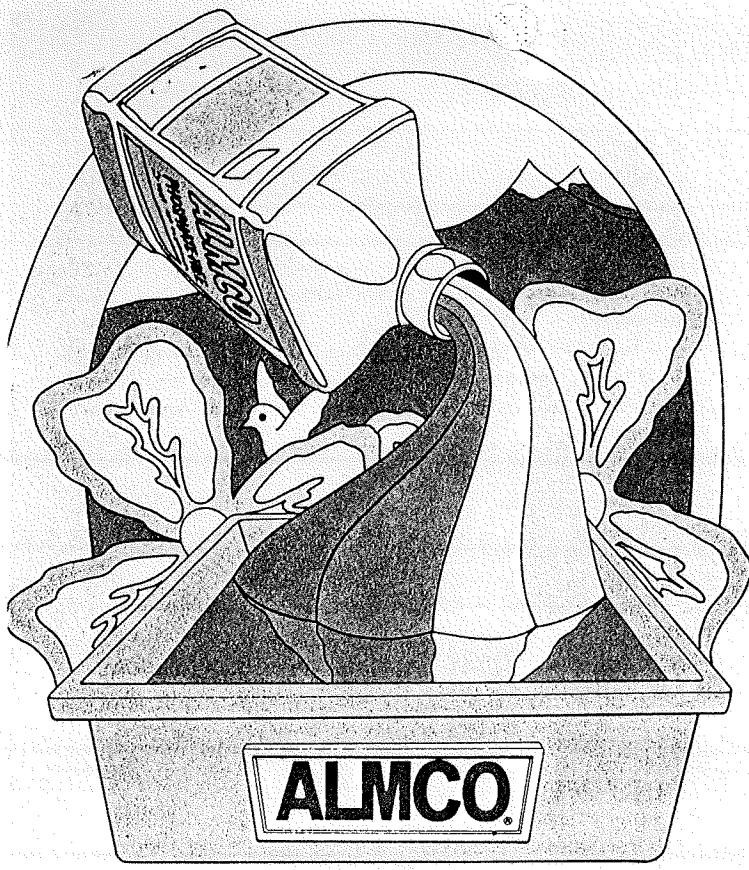
Discounts of 1% for 1,000 lbs. and up to 7% for carload quantities are offered. Freight prepaid on carload orders. Various compounds may be combined to earn quantity discounts.

DETROIT
7495 E. Davison
Detroit, Mich. 48212

NEWARK
230 Verona Ave.
Newark, N.J. 07104

ALMCO®

QUEEN PRODUCTS DIVISION
KING-SEELEY **KST** THERMOS CO.
ALBERT LEA, MINNESOTA 56007



ALMCO. NO. 2210 Alkaline *Phosphate-Free* *Biodegradable* Liquid Cleaner

DESCRIPTION

An amber, clear, moderately alkaline PHOSPHATE-FREE, liquid compound especially formulated for use through barrel, spindle, and vibratory metal finishing equipment for cleaning, grinding or deburring of chemical sensitive non-ferrous metals.

In addition to being a PHOSPHATE-FREE, it is based on completely biodegradable chemicals and contains NO CHROMATE or CYANIDE.

GENERAL FEATURES

Phosphate-Free

No. 2210 does not contain phosphates that contribute to massive algae blooms in inland waters . . . no sacrifice to cleaning ability and efficiency.

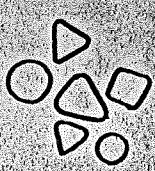
Easy Waste Disposal

No. 2210 contains no heavy metals like mercury, lead, arsenic . . . no chromate, cyanide or other toxic chemicals. Easy waste disposal.

Biodegradable

No. 2210 product degrades to neutral, friendly substances through normal sewage treatment process. Meets all government biodegradable standards.

ALMCO®
INDUSTRIAL FINISHING
SYSTEMS
QUEEN PRODUCTS DIVISION
KING-SEELEY KST THERMOS CO.
ALBERT LEA, MINNESOTA 56007



FOR A BETTER FINISH . . . FASTER

Balanced PHOSPHATE-FREE Formula

- Alkalinity
neutralizes acidic soils and maintains uniform cleaning throughout entire cycle.
- Water Softener
handles all types of waters, hard and soft.
- Dispersant
removes smut and stains, suspends soils, and maintains good color.
- Low Foam
penetrates, emulsifies oils and renders free rinsing with water. Keeps the media surfaces clean and free cutting.
- Corrosion Retarder
minimize base metal attack and maintains good color of non-ferrous metals while processing.
- Concentrate
is a built liquid concentrate showing weight per gallon of 11.217 lbs. (water is 8.34 lbs.) and is effective in removal of oils, grease, shop soils and rust preventive films in very short cycle.

ALMCO No. 2210

APPLICATIONS

No. 2210 is a non-abrasive compound... cleans while deburring, grinding, or surface honing of ferrous metals and some non-ferrous metals. Contains no soaps... which means no film and residues.

USAGE

For use as pre-cleaner for heavy soils, 1 - 2 fl. oz. per gallon of water.

For use as cleaner in other normal operations, 1/4 - 1/2 fl. oz. per gallon of water.

For cleaning plastics, 1/4 - 1/2 fl. oz. per gallon of water.

QUANTITY DISCOUNTS

1,000 lbs. thru 1,999 lbs.	1%
1 ton to 4 tons	2%
4 tons to 7 tons	3%
7 tons to 11 tons	4%
11 tons to 16 tons	5%
16 tons to 20 tons	6%
20 tons to 24 tons	7%
24 tons to 34 tons	8%
34 tons to 44 tons	9%
44 tons to 50 tons	10%

Metals:

Aluminum, zinc, copper, brass, bronze, lead, magnesium, steel, stainless steel.

PRODUCT SPECIFICATIONS

pH of 1% Solution	11.14
Total acidity (as% H ₂ SO ₄)	0.00
Insoluble in Water	Trace
Phosphates	None
Weight per Gallon	11.217
Biodegradability	Yes
Heavy Metals	None

PRICES

1 gallon (4 gal. per case)	/gal.
(Polyethylene Container)	/gal.
5 gallons (Polyethylene Container)	/gal.
55 gallons (Steel Drum)	/gal.

- F.O.B. Point of shipment.
- Compounds may be combined to earn Quantity Discounts.
- TERMS: 2% 10 Days, Net 30 Days.
- THE PRICE IN EFFECT AT THE TIME OF SHIPMENT WILL APPLY, AND IS SUBJECT TO CHANGE THROUGHOUT THE CONTRACT YEAR WITHOUT PRIOR NOTICE.

ALBERT LEA
505 Front St.
Albert Lea, Minn. 56007
Phone (507) 373-3961

EAST COAST OFFICE
North 93 Farview Ave.
Paramus, New Jersey 07652
Phone (201) 265-8877

ALMCO DETROIT BRANCH
264 Executive Drive
Troy, Michigan 48084
Phone (313) 585-4422

ALMCO
INDUSTRIAL FINISHING
SYSTEMS
QUEEN PRODUCTS DIVISION
KING-SEELEY  THERMOS CO.
ALBERT LEA, MINNESOTA 56007

DPM/QPL REQUEST

DAC 25-2140 (12-73)

NEW REV. DATE: 11/30/84 ENGINEER B. F. LARSON
 DPM NO. 5204-8
 DMS QPL NO.

Compound, DEBURRING ALUMINUM OXIDE
 GENERAL TITLE: SPEC. OR CLASS: ST. TEMP.: TOX. FL. PT. SHELF LIFE LABEL
 ISSUE NO.

MAC CODE NO.

P.O. NOTES: P.O. TO SPECIFY

GEN. NOTES:

USED BY DPS: 4, 5/5

MANUFACTURER'S NAME: CITY, STATE: MFR.'S DESIGNATION:

1. Almco Division of Household International Co. Albert Lea, MN A Inc 2A

2.

3.

4.

5.

6.

CHANGE INFO.	REQ'D	COMPL.
DPM LIST	<input checked="" type="checkbox"/>	<input type="checkbox"/>
DMS QPL LIST	<input type="checkbox"/>	<input type="checkbox"/>
MMS LIST	<input type="checkbox"/>	<input type="checkbox"/>
ALPHABETICAL LIST	<input type="checkbox"/>	<input checked="" type="checkbox"/>
NUM. VENDOR # LIST	<input type="checkbox"/>	<input checked="" type="checkbox"/>
SPEC. CROSS INDEX	<input type="checkbox"/>	<input checked="" type="checkbox"/>

ZO. 5204-8

SO. 5204-8
 Changed mfr designation to 2A. From 2 AD5
 SPECIFY CHANGE(S) MADE: Vendor's name was changed
 from King-Seeley to Almco Division.
 MATERIAL SAFETY DATA SHEET REQUIRED YES NO
 BUYER: J. S. Valerio
 Mail Release: L. J. Longer, J. L. Boston,
 L. C. Wolf; J. J. Money (Ado),
 12-3-84

DPM/QPL REQUEST

DAC 25-2140 (12-73)

NEW REV. DATE: 11/30/89 ENGINEER B. F. Larson
 Compound Deburring GENERAL TITLE MILD ALKALI SPEC. OR CLASS ST. TEMP. TOX. FL. PT. SHELF LIFE
 ISSUE NO.

DAC CODE NO.

P.O. NOTES: P.O. TO SPECIFY

GEN. NOTES:

USED BY DPS: A-515

MANUFACTURER'S NAME CITY, STATE MFR'S DESIGNATION

1. Almco Division of Household International Co. Abbott Leay, MN #7 Almco 2040 Liquid Cleaner
2. Vibrafinish Co. L.A., CA #7 Compound #F-77
3. Professional Cleaning Systems & Supplies Van Nuys, CA #7 PS-707
4.
5.
6.

CHANGE INFO.	REQ'D	COMPL.
DPM LIST	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
DMS QPL LIST	<input type="checkbox"/>	<input type="checkbox"/>
MMS LIST	<input type="checkbox"/>	<input type="checkbox"/>
ALPHABETICAL LIST	<input type="checkbox"/>	<input type="checkbox"/>
NUM. VENDOR # LIST	<input type="checkbox"/>	<input type="checkbox"/>
SPEC. CROSS INDEX	<input type="checkbox"/>	<input type="checkbox"/>

LAB REPORT NUMBER:	Almco	Bought out King Society
REASON FOR REQUEST:	Almco	is now the manufacturer of the Compounds
SO	Almco	from King - See reg to Almco Division
SPECIFY CHANGE(S) MADE:	Vendor's name was changed	

MATERIAL SAFETY DATA SHEET REQUIRED YES NO

BUYER: J. S. Valentine, Jr. & Son, Inc.
 Mac Hale, Sales; Jim Mooney (430)
 12-3-84

DPM/QPL REQUEST

DAC 25-2140 (12-73)

NEW REV. DATE: 11/30/84 ENGINEER B.F. LARSON
Compound, Deburring & Cleaning

GENERAL TITLE: Spec. or Class ST. TEMP. Tox. FL. PT. SHELF LIFE Label

DAC CODE NO. P.O. To Specify

P.O. NOTES: &

GEN. NOTES: DELETED - Not Replaced - Dec. 1984

USED BY DPS: 4, 5, 15

MANUFACTURER'S NAME	CITY, STATE	MFR.'S DESIGNATION
1. <u>DELETE</u>		<u>32</u>
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		

CHANGE INFO.	REQ'D	COMPL.
DPM LIST	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
DMS QPL LIST	<input type="checkbox"/>	<input type="checkbox"/>
MMS LIST	<input type="checkbox"/>	<input checked="" type="checkbox"/>
ALPHABETICAL LIST	<input type="checkbox"/>	<input checked="" type="checkbox"/>
NUM. VENDOR # LIST	<input type="checkbox"/>	<input checked="" type="checkbox"/>
SPEC. CROSS INDEX	<input type="checkbox"/>	<input checked="" type="checkbox"/>

LAB REPORT NUMBER: Color-matic no longer
 REASON FOR REQUEST: Manufacturer # 32 compound

SPECIFY CHANGE(S) MADE: # 32 compound was deleted.

MATERIAL SAFETY DATA SHEET REQUIRED YES NO

BUYER: J. S. Valencie
Mac's Garage, 14 E Boston,
Massachusetts (MA)

RELEASER: John H. Moncur
Mac's Garage, 14 E Boston,
Massachusetts (MA)

DATE: 11/30/84 / ISSUE NO. 5204-4

DPM/QPL REQUEST**NEW REV. DATE: 1/20/87 ENGINEER B.F. LARSON**

COMPOUND, DESCRIBE: MILD ALKALI GENERAL TITLE SPEC. OR CLASS ST. TEMP. TOX. FL. PT. SHELF LIFE LABEL

DAC CODE NO. _____**PO. NOTES: P.O. TO SPECIFY _____****GEN. NOTES: _____****USED BY DPS: 4.515****MANUFACTURER'S NAME — CITY, STATE — MFR'S DESIGNATION**

1. Almco Division of Household International Co., Albert Lea, MN Almco # 22

2. _____

3. _____

4. _____

5. _____

6. _____

LAB REPORT NUMBER:**REASON FOR REQUEST:** Almco bought out King-Sceery
So Almco is now the manufacturer of the compound**SPECIFY CHANGE(S) MADE:** Vendor Name was changed
from King-Sceery to Almco Division**MATERIAL SAFETY DATA SHEET REQUIRED YES NO****BUYER:** J. S. Valerie*Material Release & Data Sheet Log**12-3-84*

CHANGE INFO.	REQ'D.	COMPL.
DPM LIST	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
DMS QPL LIST	<input type="checkbox"/>	<input type="checkbox"/>
MMS LIST	<input type="checkbox"/>	<input type="checkbox"/>
ALPHABETICAL LIST	<input type="checkbox"/>	<input type="checkbox"/>
NUM. VENDOR # LIST	<input type="checkbox"/>	<input type="checkbox"/>
SPEC. CROSS INDEX	<input type="checkbox"/>	<input type="checkbox"/>

DPM NO. 5204-7
DMS QPL NO. 7
ISSUE NO. 7

DPM/QPL REQUEST

DAC 25-2140 (12-73)

DPM NO. 5204-9
 DMS QPL NO.
 ISSUE NO.

NEW REV. DATE: 11/30/84 ENGINEER B. F. Larrison

Compound, DEBURENIE, PNLD ALKALI
 GENERAL TITLE B. F. Larrison
 SPEC. OR CLASS ST. TEMP. TOX. FL. PT. SHELF LIFE LABEL

DAC CODE NO.

P.O. NOTES: P.O. TO SPECIFY

GEN. NOTES:

USED BY DPS: 4,515

MANUFACTURER'S NAME _____ CITY, STATE _____ MFR'S DESIGNATION

1. Almco Division of Household International Co. Albert Lea, MN # Almco 2210 Liquid Cleaner
2. Onlick Industries Burlington, Ontario Canada # Onlick BFF or BFF#400 (IND CAN)
3. Ally Industries Huntington Beach, CA # AC-101
4. Suico Canada Inc. Toronto, Ontario Canada # Suico/CSS-3 (IND CAN) only
- 5.
- 6.

CHANGE INFO.	REQ'D	COMPL
DPM LIST	<input checked="" type="checkbox"/>	
DMS QPL LIST		
MMS LIST		
ALPHABETICAL LIST		
NUM. VENDOR# LIST		
SPEC. CROSS INDEX		

LAB REPORT NUMBER: Almco Bright cut King - scieley
 REASON FOR REQUEST: Almco now the manufacturer of the compound

SPECIFY CHANGE(S) MADE: Vendor's name was changed from King - scieley to Almco Division

MATERIAL SAFETY DATA SHEET REQUIRED YES NO

BUYER: J. S. Wallace, L & J. Longer, J & C Boston,
 Mattel Release, L & J. Longer, J & C Boston,
 McC Nolle, J & C Boston,

5204-9
 11/30/84

DPM/QPL REQUEST

DPM NO. 2281, 5204-
DMS QPL NO. 10
ISSUE NO. 1

NEW REV. DATE: 10/07/06 ENGINEER K.T. Roth
Media, GENERAL TITLE

DAC CODE NO.
P.O. NOTES: P.O. TO SPECIFY

GEN. NOTES:

USED BY DPS: 4/5/5

MANUFACTURER'S NAME		CITY, STATE	MFR'S DESIGNATION
1. ALMCO INC.		Albert Lea, Mn	
2.			
3.			
4.			
5.			
6.			

LAB REPORT NUMBER:	CHANGE INFO.	REQ'D	COMPL.
REASON FOR REQUEST: <u>Almco is no longer A</u>			
<u>Division of Household International Co. 02</u>	DPM LIST		
<u>Queen Stone Works</u>	DMS QPL LIST	<input checked="" type="checkbox"/>	
SPECIFY CHANGE(S) MADE: <u>Manufacturer's name changed to Almco Inc.</u>	MMS LIST		
	ALPHABETICAL LIST		
	NUM. VENDOR # LIST		
	SPEC. CROSS INDEX		

MATERIAL SAFETY DATA SHEET REQUIRED YES NO
BUYER: Michael Roth Michael G. Roth
B.A. Maciasen Co. (A.G.) Inc. 11/11/06

ING-SEELEY THERMOS CO.

ALBERT LEA, MINNESOTA 56007

DPM 5204-9

PRODUCT USE AND SAFETY INFORMATION

Customer's Name	City & State	Date
		12-7-70

To Our Customers:

This form has been developed by Almco-Queen Products to provide our customers with information which will enable them to use our products more effectively and safely.

General Description	Chemical Name 2210 Liquid Concentrate							
	Chemical Composition Silicates, biodegradable ethoxylated wetting agents.							
	Color amber, clear	Odor none	Form liquid					
Suggested Uses	Fill in specific customer use and the recommended concentration of 2210.							
	Fill in specific customer use and the recommended concentration of							
Health Hazards:	Eye Contact	With concentrate, immediately flush with plenty of water and get medical attention.						
	Skin Contact	Flush with water.						
Recommended Control and Treatment	Inhalation	None						
	Taken Internally	If swallowed, drink large quantity of water, milk or fruit juice. Get medical attention.						
	Max. allowable concentration (when applicable)	Mfgrs. Estimate	Accepted by Amer Conference Gov't & Ind. Hygienists					
Protective Clothing & Equipment Recommended								
Product Harmful to (check)	aluminum Conc. X	enamels Conc. X	fabrics	lacquers	magnesium	plastics	plexiglas	rubber
	Undiluted, concentrate may affect the above checked ones.							
Recommended Handling and Storage Procedures	Do not mix with strong acids.							
	Keep from freezing. In case of freeze, thaw and roll the drum prior to use.							
	For handling concentrate, wear safety glass.							